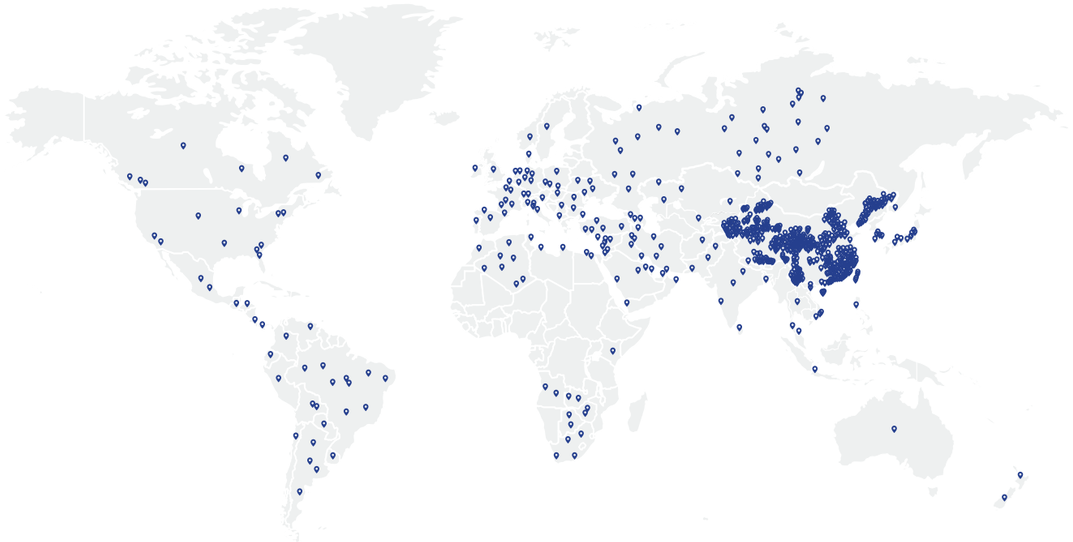
FREQTY Panda Scanner



PANDA SCANNER
ALL OVER THE WORLD

www.panda-scanner.com
info@panda-scanner.com

Chengdu | Ziyang | Suzhou | Ningbo | Hong Kong
Fortaleza | Sao Paulo | San Jose, CA | Seoul

FREQTY Panda Scanner

PANDA SCANNER



PANDA P3 Plus



PANDA smart



PANDA free

PANDA P3 Plus

Button Control

The tiny button carries great responsibilities, controlling the entire digital workflow. It prevents cross contamination by not touching the screen or clicking the mouse. Safety is always the top priority.

Motion Sensing

The gyroscope inside the scanner allows to see different angle of scanned images by just simply rotating the scanner. So you do not have to touch the screen to see the image.

Plug & Play

PANDA P3 Plus now runs with a single cable connection — no external power required.



CLASSIC DESIGN, NEW EXPERIENCE

Features

Product Features

- AI Technology, much smarter, improve a lot of scanning experience
- 3 Different tips, meet more demands of different applications
- Much smaller, very easy to operate
- Clear margin line, high accuracy
- Fast scanning speed, easy to learn and use
- True color scan and HD display





Parameters

1 min
Full Arch Scanning

5 tips
with 3 Different Angles

7 μm
More Precise

178 g
Aviation Aluminum Alloy

Overall Size	216 x 40 x 36 mm
Tip End(W*H)	19x14mm/20x16mm(D)/20x16mm(M) Autoclavable
Field of View	18 x 16 mm
Depth of Field	Adjustable up to 20mm
Patents	40+
Certificates	CFDA/CE/ISO13485/FDA/INMETRO/ANVISA, etc.
Interface	USB3.0
Data Output	STL PLY PTY *encrypted data available
Connectivity	Single USB cable for both data and power

Speedy Experience

AI technology and 3 cameras facilitate efficient scanning, and a full arch scan can be completed in 1 min.

3 Different Angle Tips

Meets the demands of mesial and distal scanning, improves patient comfort, and is more suitable for pediatric scanning.

Light Weight

Only 178 grams, providing dentists with a more relaxed scanning process.

Anti-fogging Technology

Innovative instant heating technology prevents the frustration of fogged lens.

PANDA smart

Smaller but Greater



Features

Sleek and Compact
Only 138g
221x27x25mm

Ultra Fast and Precise
1 min ultra-fast scan
7 µm ultra-high accuracy

Plug and Play
No power adapter needed

Ergonomic Design
White ● Silver ●
50-100 autoclaving cycles







Silence Operating Process
Transforming your dental appointment into a calming and stress-free experience.

One Button, Infinite Control
Control should be effortless, and innovation be intuitive. This design is aimed to simplify your interaction with products. With just a single press, you saved the effort to point with a mouse.

Motion Sensing
This innovative technology allows you to control your devices without any redundant touch, which provides you a hygienic operating environment.

Anti-fogging Technology
Our innovative instant heating technology prevents the frustration of fogged lens.

New Collection

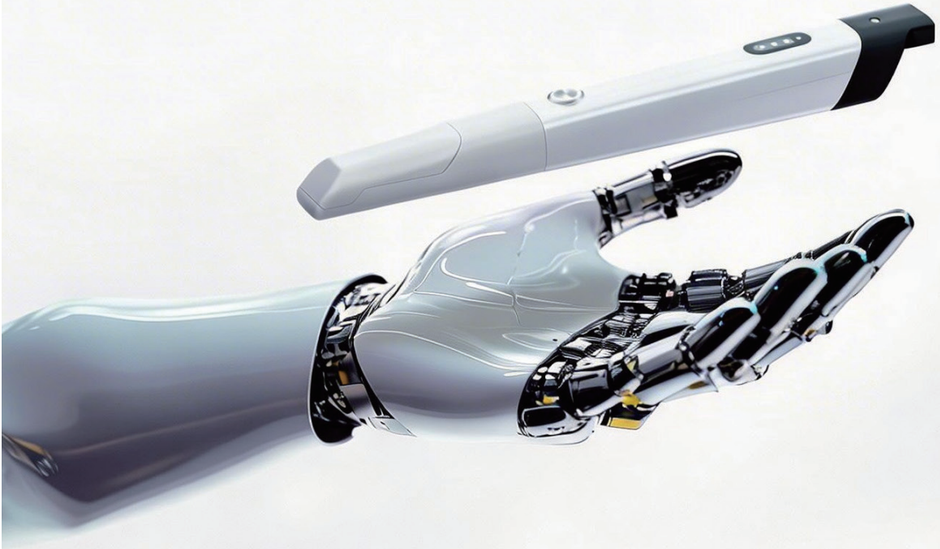
The art of intraoral scanners

- Crystal White
- Radiant Silver
- Sparkly Purple
- Ice Blue
- Lightsaber Red
- Champagne Gold
- Laguna Blue



PANDA free

One Click, Perfect Fit



Fast

18x16mm ultra-large scan field, 1 minute full-arch scanning, up to 30 fps scanning speed.

Reliable

Precision within 5μm, accuracy within 7μm, restore the true intraoral appearance.

Effective

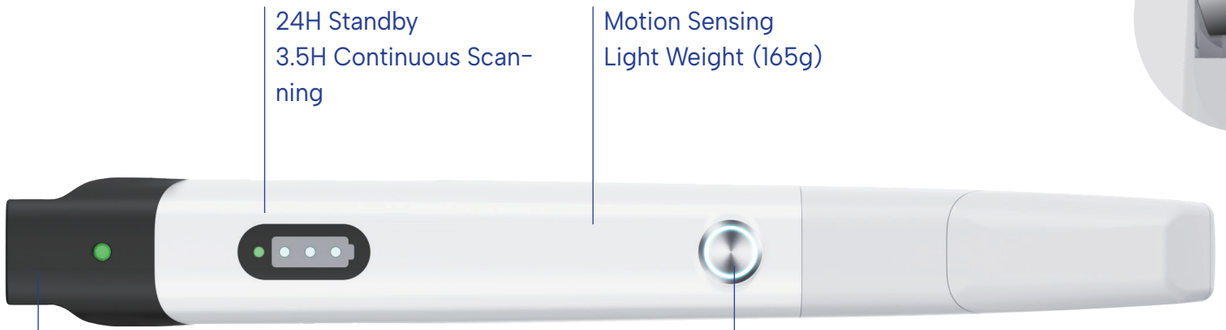
Lossless Transparent Transmission Technology with 1 multi-functional button, ensures 24/7 diagnostic efficiency improvement.

Easy

165g ultra-light design, easy to handle, 24h stand-by, adapts to complex clinical scenarios.

Cable-free, Unleash Possibilities

As the newest member of the PANDA family, PANDA free offers enhanced performance without cable constraints, meeting the digital and intelligent needs of clinics.





Low Entry Level
Anti-fogging Technol-





Software Portfolio

• Panda OrthoSim

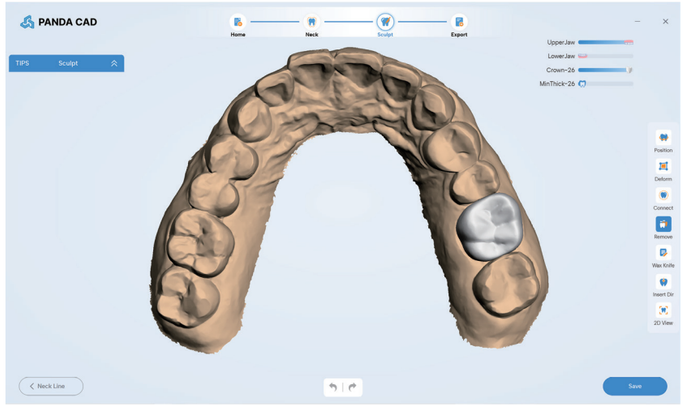
Advanced technologies and intelligent algorithms enable three-point positioning, intelligent segmentation, and automated tooth arrangement, streamlining orthodontic communication and improving treatment planning efficiency.

Pre-Ortho VS Post-Ortho

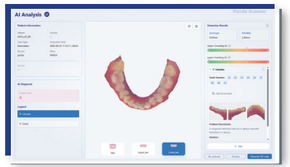


• PANDA CAD

AI automatically generates crown designs with a single click, streamlining immediate restorative procedures and enhancing chairside efficiency.

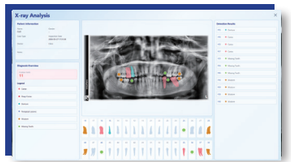


Software Features



AI Case Report

Automatically generate case report from intraoral scan data, enhancing digital workflows and improving doctor–patient communication.



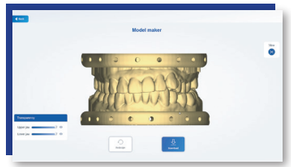
X-ray Assisted Analysis

AI-powered panoramic X-ray analysis highlights problematic teeth and conditions, simplifying diagnosis and improving consultation efficiency.



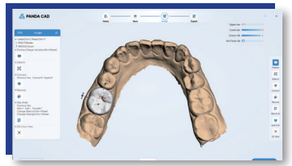
Occlusion Check

Intelligently analyze scan data to assist occlusion evaluation, improving clinical preparation and data acquisition quality from the source.



Model Maker

Automatically generate model bases from scan data, streamlining model design and improving 3D printing efficiency.



AI Temporary Crown Design

Automatically design temporary crown with AI, solving immediate restoration challenges effortlessly.



Plaque Detection

Detect and visualize plaque distribution and severity to demonstrate treatment results and improve patient oral health awareness.



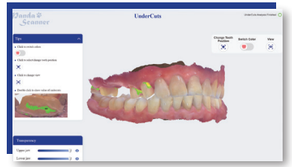
Model Compare

Compare data across multiple visits, track treatment progress, and achieve full-cycle visual management.



Tooth Preparation Analysis

Automatically measure tooth distances and prep volume, helping confirm space and streamline clinical procedures.



Undercuts

AI-driven automatic calculation of the path of insertion, with one-click visualization of undercut range and depth, improving restoration success rate.



Orthodontic Analysis

Automatically detect and visualize key orthodontic parameters to support treatment planning and improve correction outcomes.



Splint Design

Create custom occlusal splints with AI for faster production of sports guards, bite splints, and retainers.



Teeth Whitening

Automatically whiten teeth from photos to visualize treatment outcomes and support doctor–patient communication.



Panda DSD

AI-generated smile design –Preview aesthetic restoration results in advance.



Case Interaction

Seamlessly link orders and chats for efficient clinical-to-lab collaboration on each case.



3D Face Reconstruction

Automatically generates 3D facial models from photos for dentofacial design reference.

SOFTWARE

Category	PANDA P3Plus & smart & free
Types of Scanning	Orthodontics, Implant, Restoration
Image Capture	Yes
3D Data Preview	Yes
Output Files	STL, PLY, PTY, OBJ
Cloud Service	Yes
Cloud Service Price	5GB/free
Direct Compatibility with Dental CAD	Exocad*
Main Image Processing Tools	Trim/Edit/Recover/Lock, etc.
Margin Line Drawing	Yes
Occlusal Match	Yes
Undercut	Yes
Data Comparison	Yes
AI Technology	Auto Tissue Remove, Overlap Correct, etc.
Software License	Free
Software Upgrade	Free
Transfer Data with API	Available

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PC REQUIREMENTS

Category	PANDA P3Plus & smart & free
Processor	Ultra 9 285H; Ultra 9 275HX; Ultra 7 255H; Intel i7-14650HX; Intel 7-13700H; Intel i7-13650HX;
Memory	32G or above
Storage	1TB or above
Graphics Card	NVIDIA GeForce RTX 4060 (VRAM 6GB or above) NVIDIA GeForce RTX 5060 (VRAM 6GB or above)
NVIDIA Driver	Version 581 or above
Windows System version	Windows 11

PANDA Family Comparison



Model	PANDA P3 Plus	PANDA smart	PANDA free
Scan Principle	Staring Scanning with Coded Structure Light	Staring Scanning with Coded Structure Light	Staring Scanning with Coded Structure Light
Total Size	216x40x36 mm	221x27x25mm	241x30x28 mm
Tip Type	Nx3 / Mx1 / Dx1	Nx6	Nx6
Scan Area	18x16(N) / 18x20(D) / 18x18(M)mm	18x16(N)mm	18x16(N)mm
Accuracy	10μm	7μm	7μm
Precision	7μm	5μm	5μm
Frame Rate	24fps	30fps	30fps
Depth of Field	0-20mm	0-23mm	0-23mm
Weight	178g	138g	165g
AutoclaveCycle for Tips	20-50times	50-100times	50-100 times
Cooling System	Fan Cooling	Turbo Fan Cooling	Turbo Fan Cooling
Battery Duration	/	/	3.5h Continuously
Scanning Time	1 min Single Arch / 2 min Full Arch	30 sec Single Arch / 1 min Full Arch	30 sec Single Arch / 1 min Full Arch
Certifications & Registrations	MDSAP, CE, ISO, Santé Canada Health Canada	GMP, MDSAP, CE, ISO	MDSAP, FC, CE, ISO



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